

IN THE CLAIMS:

Please amend the claims as follows:

1. **(Currently Amended)** A water-cooled vertical engine comprising:

 a crankshaft disposed substantially vertically;

 a camshaft; and

 an endless transmission member for transmitting a driving force of the
crankshaft to the camshaft, the endless transmission member being disposed in an
upper part of the engine to rotate along a locus;

 wherein the engine further comprises:

 a water jacket formed therein and having a cooling water outlet open to
the upper part of the engine and located inside the locus of rotation of the endless
transmission member; and

 a thermostat for controlling the flow of cooling water in the water jacket,
the thermostat being provided in the upper part of the engine and having a temperature
sensitive portion located above the endless transmission member.
2. **(Original)** The water-cooled vertical engine according to Claim 1,
wherein the endless transmission member is a timing chain, and the upper part of the
engine comprises a chain cover for covering the timing chain in cooperation with a
cylinder head and a cylinder block.
3. **(Currently Amended)** An outboard motor equipped with a water-
cooled vertical engine, comprising:

 a crankshaft disposed substantially vertically;

 a camshaft; and

an endless transmission member for transmitting a driving force of the crankshaft to the camshaft, the endless transmission member being disposed in an upper part of the engine;

wherein the engine further comprises:

a water jacket formed therein; ~~and~~

a water pump for feeding cooling water to the water jacket; and

a thermostat for controlling the flow of cooling water in the water jacket, the thermostat being provided in an upper wall of the engine above the endless transmission member.

4. **(Currently Amended)** A water-cooled vertical engine comprising

a crankshaft disposed substantially vertically;

a camshaft;

an engine block;

a cover;

an endless transmission member housing chamber formed by joining the cover to an upper face of the engine block; and

an endless transmission member for transmitting a driving force of the crankshaft to the camshaft, the endless transmission member being disposed within the endless transmission member housing chamber;

wherein the engine further comprises:

a water jacket formed in the engine block;

a thermostat for controlling the flow of cooling water in the water jacket, the thermostat being provided in a thermostat mounting seat which is formed on the

cover at a position above the endless transmission member; and

a cooling water passage for providing communication between the water jacket and the thermostat, the cooling water passage being integrally formed with the cover.

5. **(Original)** The water-cooled vertical engine according to Claim 4, wherein it further comprises a drain pipe for discharging cooling water from the thermostat, the drain pipe being a member that is separate from the cover.

6. **(Currently Amended)** An outboard motor equipped with a water-cooled vertical engine comprising:

a crankshaft disposed substantially vertically;

a camshaft;

an engine block;

a cover;

an endless transmission member housing chamber formed by joining the cover to an upper face of the engine block; and

an endless transmission member for transmitting a driving force of the crankshaft to the camshaft, the endless transmission member being disposed within the endless transmission member housing chamber;

wherein the engine further comprises:

a water jacket formed in the engine block;

a water pump for feeding cooling water to the water jacket;

a thermostat for controlling the flow of cooling water in the water jacket, the thermostat being provided in a thermostat mounting seat which is formed on the

cover at a position above the endless transmission member; and

a cooling water passage for providing communication between the water jacket and the thermostat, the cooling water passage being integrally formed with the cover.

7. **(Original)** A water-cooled vertical engine comprising:

a crankshaft disposed substantially vertically;

a cylinder block;

a cylinder block cooling water jacket formed in the cylinder block;

a first thermostat for controlling the flow of cooling water in the cylinder block cooling water jacket;

a cylinder head;

a cylinder head cooling water jacket formed in the cylinder head; and

a second thermostat for controlling the flow of cooling water in the cylinder head cooling water jacket;

wherein the cylinder block cooling water jacket has a cooling water outlet connected to the first thermostat, the cylinder head cooling water jacket has a cooling water outlet connected to the second thermostat, the cooling water outlets being in proximity to each other; and

wherein the engine further comprises:

a thermostat chamber housing the first and second thermostats

therewithin; and

a member for forming the thermostat chamber, the member being joined to the cylinder block and the cylinder head which have the two cooling water outlets.

8. **(Original)** The water-cooled vertical engine according to Claim 7, wherein it further comprises a camshaft, an engine block, and an endless transmission member for transmitting a driving force of the crankshaft to the camshaft, the endless transmission member being disposed in an upper part of the engine block, the first and second thermostats being disposed on the inside of the endless transmission member.

9. **(Original)** The water-cooled vertical engine according to Claim 7, wherein the first and second thermostats have a common cooling water drain part.

10. **(Original)** An outboard motor equipped with a water-cooled vertical engine comprising:

 a crankshaft disposed substantially vertically;

 a cylinder block;

 a cylinder block cooling water jacket formed in the cylinder block;

 a first thermostat for controlling the flow of cooling water in the cylinder block cooling water jacket;

 a cylinder head;

 a cylinder head cooling water jacket formed in the cylinder head; and

 a second thermostat for controlling the flow of cooling water in the cylinder head cooling water jacket;

 wherein the cylinder block cooling water jacket has a cooling water outlet connected to the first thermostat, the cylinder head cooling water jacket has a cooling water outlet connected to the second thermostat, the cooling water outlets being in proximity to each other; and

 wherein the engine further comprises:

a thermostat chamber housing the first and second thermostats
therewithin; and
a member for forming the thermostat chamber, the member being joined
to the cylinder block and the cylinder head which have the two cooling water outlets.

11. **(New)** The water-cooled vertical engine according to Claim 1
wherein the engine further comprises:
an exhaust guide;
a first exhaust guide cooling water jacket disposed within the exhaust
guide;
a second exhaust guide cooling water jacket disposed within the exhaust
guide;
an exhaust manifold;
an exhaust manifold cooling water jacket disposed within the exhaust
manifold;
wherein the exhaust guide and the exhaust manifold join, providing
communication between the exhaust guide cooling water jacket and the exhaust
manifold cooling water jacket, cooling water flows through the exhaust guide and
exhaust manifold cooling water jackets prior to entering the cooling water jacket formed
in the engine block, and cooling water flows through the second exhaust guide cooling
water jacket after exiting the cooling water jacket formed in the engine block.

12. **(New)** The outboard motor equipped with a water-cooled vertical
engine of Claim 3 wherein the engine further comprises:
an exhaust guide;
a first exhaust guide cooling water jacket disposed within the exhaust

guide;

a second exhaust guide cooling water jacket disposed within the exhaust

guide;

an exhaust manifold;

an exhaust manifold cooling water jacket disposed within the exhaust

manifold;

wherein the exhaust guide and the exhaust manifold join, providing communication between the exhaust guide cooling water jacket and the exhaust manifold cooling water jacket, cooling water flows through the exhaust guide and exhaust manifold cooling water jackets prior to entering the cooling water jacket formed in the engine block, and cooling water flows through the second exhaust guide cooling water jacket after exiting the cooling water jacket formed in the engine block.

13. **(New)** The water-cooled vertical engine according to Claim 4 wherein the engine further comprises:

an exhaust guide;

a first exhaust guide cooling water jacket disposed within the exhaust

guide;

a second exhaust guide cooling water jacket disposed within the exhaust

guide;

an exhaust manifold;

an exhaust manifold cooling water jacket disposed within the exhaust

manifold;

wherein the exhaust guide and the exhaust manifold join, providing communication between the exhaust guide cooling water jacket and the exhaust

manifold cooling water jacket, cooling water flows through the exhaust guide and exhaust manifold cooling water jackets prior to entering the cooling water jacket formed in the engine block, and cooling water flows through the second exhaust guide cooling water jacket after exiting the cooling water jacket formed in the engine block.

14. **(New)** The outboard motor equipped with a water-cooled vertical engine of Claim 6 wherein the engine further comprises:

an exhaust guide;

a first exhaust guide cooling water jacket disposed within the exhaust guide;

a second exhaust guide cooling water jacket disposed within the exhaust guide;

an exhaust manifold;

an exhaust manifold cooling water jacket disposed within the exhaust manifold;

wherein the exhaust guide and the exhaust manifold join, providing communication between the exhaust guide cooling water jacket and the exhaust manifold cooling water jacket, cooling water flows through the exhaust guide and exhaust manifold cooling water jackets prior to entering the cooling water jacket formed in the engine block, and cooling water flows through the second exhaust guide cooling water jacket after exiting the cooling water jacket formed in the engine block.

15. **(New)** The water-cooled vertical engine of Claim 7 wherein the engine further comprises:

an exhaust guide;

a first exhaust guide cooling water jacket disposed within the exhaust guide;
a second exhaust guide cooling water jacket disposed within the exhaust guide;
an exhaust manifold;
an exhaust manifold cooling water jacket disposed within the exhaust manifold;
wherein the exhaust guide and the exhaust manifold join, providing communication between the exhaust guide cooling water jacket and the exhaust manifold cooling water jacket, cooling water flows through the exhaust guide and exhaust manifold cooling water jackets prior to entering the cylinder block cooling water jacket formed in the cylinder block, and cooling water flows through the second exhaust guide cooling water jacket after exiting the cylinder block cooling water jacket formed in the cylinder block.

16. **(New)** The outboard motor equipped with a water-cooled vertical engine of Claim 10 wherein the engine further comprises:

an exhaust guide;
a first exhaust guide cooling water jacket disposed within the exhaust guide;
a second exhaust guide cooling water jacket disposed within the exhaust guide;
an exhaust manifold;
an exhaust manifold cooling water jacket disposed within the exhaust

manifold;

wherein the exhaust guide and the exhaust manifold join, providing communication between the exhaust guide cooling water jacket and the exhaust manifold cooling water jacket, cooling water flows through the exhaust guide and exhaust manifold cooling water jackets prior to entering the cylinder block cooling water jacket formed in the cylinder block, and cooling water flows through the second exhaust guide cooling water jacket after exiting the cylinder block cooling water jacket formed in the cylinder block.